

Weekly Coal Production



Energy
Information
Administration

Production for Week Ended:
March 24, 1990

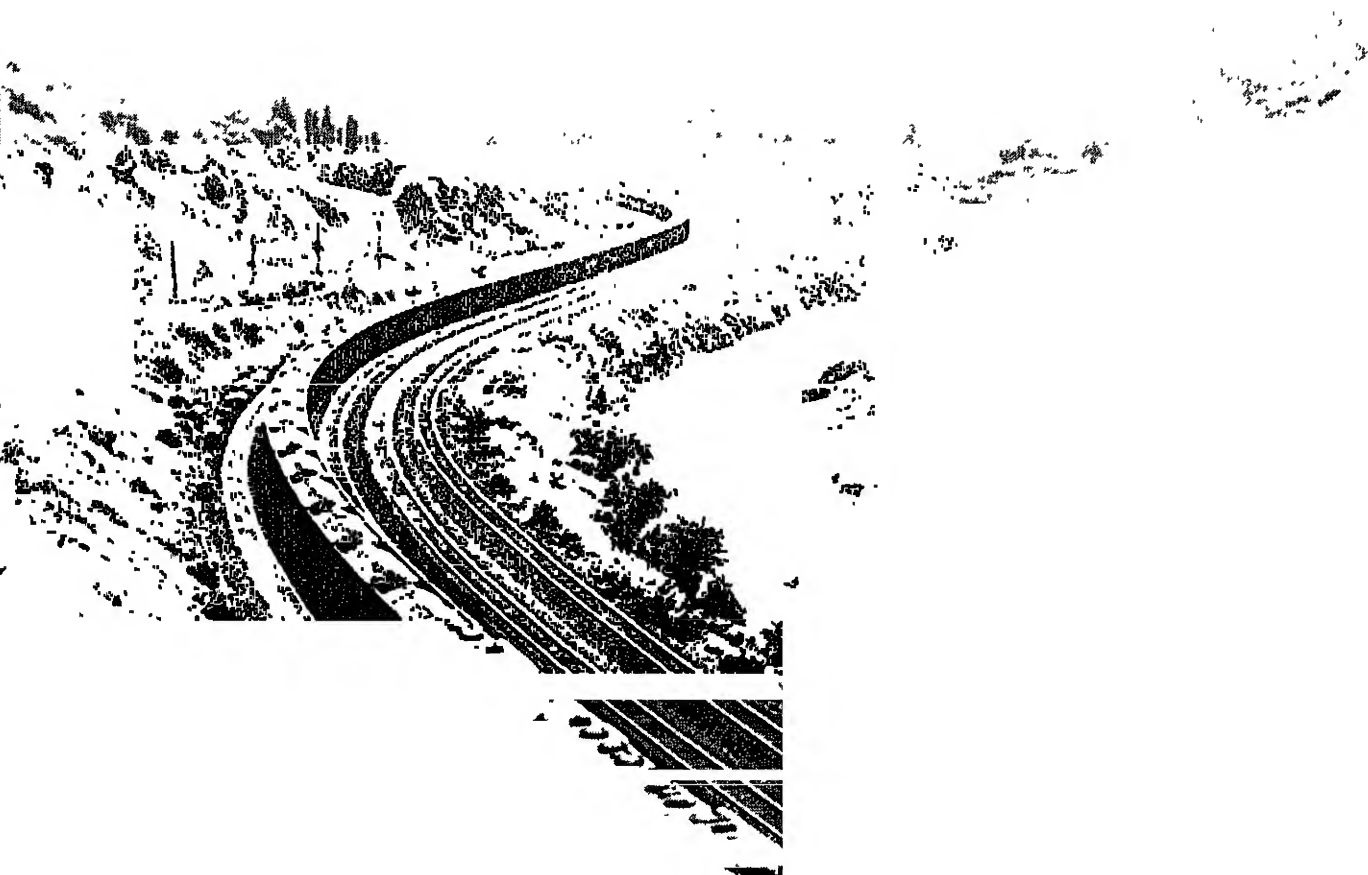


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Preface

The *Weekly Coal Production (WCP)* provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements; the Coal Exports and Imports Supplement and the Domestic Market Supplement. This week's Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origins and destination of coal shipments. This supplement also contains summary level, monthly data for all coal consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly based on production data collected using Form EIA-6, "Coal Distribution Report." The coal production estimation error for a quarter at the national level (i.e. the difference between the sum of the weekly estimates for a quarter and, the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent.

Final coal production data are published annually based on the EIA-7A coal production survey. The re-

vision error for a quarter at the national level (i.e. the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from .02 percent to .08 percent.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution Report*, the *Quarterly Coal Report*, *Coal Production 1988*, and *Coal Data: A Reference*.

This publication was prepared by Wayne M. Watson and Michelle D. Bowles under the direction of Mary K. Paull and Noel C. Balthasar, Chief, Data Systems Branch. Specific information about the *State Coal Profile: Illinois* may be obtained from Eugene R. Slatick at (202/254-5384). *Questions on energy statistics should be directed to the National Energy Information Center (NEIC) at (202/586-8800).*

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Summary

U.S. coal production in the week ended March 24, 1990, as estimated by the Energy Information Administration, totaled 21 million short tons, slightly higher than production in the previous week and 4 percent more than the comparable week in 1989. Production East of the Mississippi totaled 13 million short tons and production West of the Mississippi River totaled 8 million short tons.

U.S. coal exports in January 1990 totaled 7 million short tons, 18 percent higher than in January 1989. Steam coal exports to Canada and steam and metallurgical coal exports to Italy accounted for most of the increase.

Figure 1. Coal Production

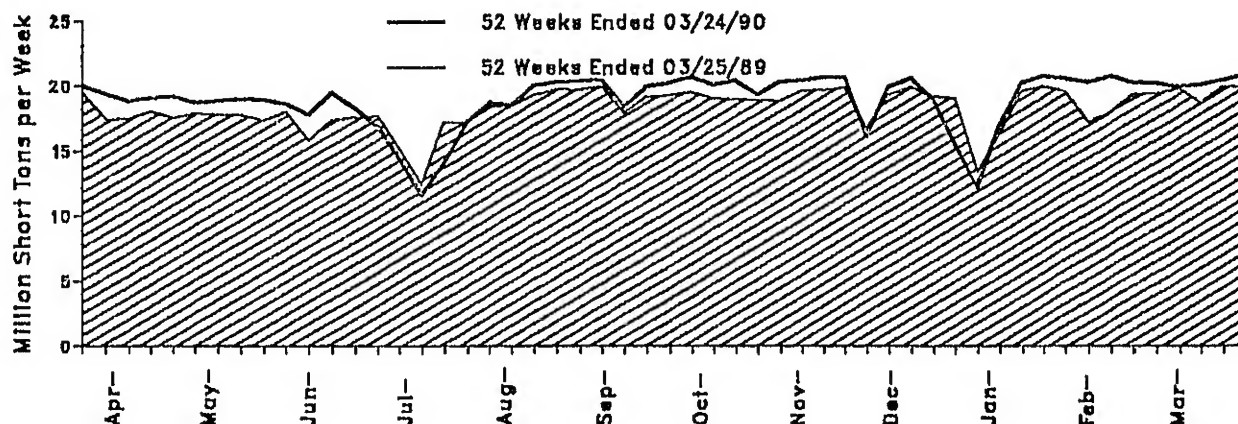


Table 1. Coal Production

Production and Carloadings	Week Ended			52 Weeks Ended		
	03/24/90	03/17/90	03/25/89	03/24/90	03/25/89	Percent Change
Production (Thousand Short Tons)						
Bituminous ¹ and Lignite	20,841	20,512	19,945	984,864	951,589	3.5
Pennsylvania Anthracite	76	73	78	3,526	3,651	-3.4
U.S., Total	20,918	20,585	20,023	988,390	955,240	3.5
Railroad Cars Loaded	133,508	131,643	127,982	6,450,506	6,311,053	

¹ Includes subbituminous coal.

Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and, State mining agency coal production reports.

Table 2. Coal Production by State
(Thousand Short Tons)

Region and State	Week Ended		
	03/24/90	03/17/90	03/25/89
Bituminous Coal¹ and Lignite			
East of the Mississippi	12,606	12,701	12,550
Alabama	573	562	538
Illinois	1,108	1,156	1,375
Indiana	908	968	661
Kentucky	3,375	3,478	3,146
Kentucky, Eastern	2,537	2,605	2,369
Kentucky, Western	837	873	776
Maryland	57	60	69
Ohio	703	702	728
Pennsylvania Bituminous	1,524	1,441	1,596
Tennessee	145	139	116
Virginia	1,137	1,098	975
West Virginia	3,076	3,096	3,346
West of the Mississippi	8,235	7,811	7,395
Alaska	34	34	31
Arizona	261	257	232
Arkansas	2	2	2
Colorado	480	396	326
Iowa	8	8	11
Kansas	23	23	7
Louisiana	62	57	39
Missouri	69	68	76
Montana	766	743	721
New Mexico	628	542	480
North Dakota	605	586	644
Oklahoma	37	40	36
Texas	1,101	1,084	1,021
Utah	527	471	422
Washington	96	94	101
Wyoming	3,536	3,406	3,248
Bituminous¹ and Lignite Total	20,841	20,512	19,945
Pennsylvania Anthracite	78	73	78
U.S. Total	20,918	20,585	20,023

¹ Includes subbituminous coal

Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and, State mining agency coal production reports.

Table 3. Coal Exports and Imports, 1981-1990
(Thousand Short Tons and Dollars per Short Ton)

Year and Month	Exports						Imports	
	Metallurgical		Steam ¹		Total		Quantity	Average Price
	Quantity	Average Price ²	Quantity	Average Price ²	Quantity	Average Price ²		
1981	65,234	\$57.40	47,307	\$45.92	112,541	\$52.57	1,043	\$28.47
1982	64,585	61.07	41,692	49.11	106,277	56.37	742	30.40
1983	49,964	55.49	27,807	46.18	77,772	52.16	1,271	33.59
1984	56,975	52.41	24,508	46.77	81,483	50.72	1,286	35.37
1985	60,313	50.40	32,367	43.92	92,680	48.18	1,952	36.04
1986	54,977	47.81	30,541	42.80	85,518	45.95	2,212	36.02
1987	51,679	44.49	27,928	39.60	79,607	42.77	1,747	32.04
1988								
January	3,449	43.00	984	37.58	4,434	41.80	159	28.57
February	3,458	42.81	1,024	41.10	4,482	42.43	162	27.41
March	5,119	42.95	2,026	39.44	7,145	41.96	221	30.34
April	5,901	43.67	3,042	40.04	8,943	42.44	107	27.24
May	4,953	44.98	2,952	39.35	7,905	42.88	224	43.49
June	4,980	44.82	3,073	38.92	8,053	42.57	257	27.96
July	5,445	44.73	2,858	37.22	8,303	42.15	203	25.34
August	5,389	44.94	3,933	37.42	9,322	41.77	205	27.13
September	6,518	44.34	3,547	36.74	10,066	41.66	29	34.35
October	5,621	44.06	3,389	38.08	9,010	42.19	229	25.55
November	5,563	44.70	2,775	38.47	8,338	42.63	207	31.80
December	5,555	44.17	3,469	39.39	9,023	42.33	131	32.63
Total	61,950	44.17	33,073	38.59	95,023	42.23	2,134	29.96
1989								
January	4,488	43.92	1,818	36.29	6,306	41.72	66	36.14
February	5,298	44.32	1,450	37.14	6,748	42.78	131	31.89
March	6,163	44.17	2,212	36.98	8,375	42.27	334	33.86
April	6,061	44.08	3,042	38.46	9,104	42.20	158	31.46
May	6,303	45.40	3,381	37.40	9,685	42.61	312	32.19
June	5,598	45.82	4,059	38.14	9,657	42.59	218	39.04
July	3,981	45.77	2,328	37.95	6,209	42.84	375	36.65
August	4,925	46.09	3,197	37.30	8,122	42.63	247	33.85
September	5,754	45.94	3,907	37.31	9,661	42.45	303	33.64
October	5,922	45.50	3,371	37.97	9,293	42.77	160	33.20
November	6,028	45.81	3,743	38.05	9,769	42.84	245	31.54
December	4,710	45.65	3,179	37.66	7,888	42.43	303	35.09
Total	65,128	45.19	35,687	37.64	100,815	42.52	2,851	34.14
1990								
January	4,901	45.72	2,547	37.29	7,447	42.84	175	33.01

¹ Includes bituminous, subbituminous, lignite, and anthracite

² Average price of all coal exports in this category

Note: Total may not equal sum of components because of independent rounding. U.S. Coal imports include Puerto Rico.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 4. Coal Exports, January 1990
(Short Tons)

Continent and Country of Destination	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	609,627	1,447,502	94,708	609,627	94,708	(¹)
Canada	607,007	1,446,184	85,805	607,007	85,805	(¹)
Jamaica	-	722	-	-	-	-
Mexico	1,924	596	8,840	1,924	8,840	-78.2
Other ²	696	-	63	696	63	(¹)
South America Total	942,074	509,683	700,223	942,074	700,223	34.5
Argentina	111,826	-	61,485	111,826	61,485	81.9
Brazil	752,468	432,644	614,333	752,468	614,333	22.5
Chile	76,850	75,673	24,405	76,850	24,405	214.9
Other ²	930	1,366	-	930	-	-
Europe Total	4,407,344	4,440,766	3,820,274	4,407,344	3,820,274	15.4
Albania	21,576	-	23,699	21,576	23,699	-9.0
Belgium & Luxembourg	512,253	641,562	487,374	512,253	487,374	5.1
Bulgaria	39,065	96,449	-	39,065	-	-
Denmark	128,140	308,519	214,497	128,140	214,497	-40.3
France	675,745	593,997	901,749	675,745	901,749	-25.1
Ireland	170,167	92,025	158,972	170,167	158,972	7.0
Italy	1,218,260	1,014,732	713,578	1,218,260	713,578	70.7
Netherlands	393,805	574,400	394,006	393,805	394,006	-1
Norway	22,656	9,117	2,380	22,656	2,380	(¹)
Portugal	106,598	130,947	81,085	106,598	81,085	31.5
Romania	-	326,910	33,357	-	33,357	-
Spain	348,728	250,110	209,365	348,728	209,365	66.6
Sweden	-	-	74,824	-	74,824	-
Turkey	281,880	155,064	103,888	281,880	103,888	171.3
United Kingdom	302,153	173,585	270,817	302,153	270,817	11.6
West Germany	72,253	45,358	67,575	72,253	67,575	6.9
Yugoslavia	105,963	29,991	83,108	105,963	83,108	27.5
Other ²	8,122	-	-	8,122	-	-
Asia Total	1,397,285	1,490,291	1,511,918	1,397,285	1,511,918	-7.6
China (Taiwan)	250,021	361,079	346,221	250,021	346,221	-27.8
Japan	768,014	827,840	989,342	768,014	989,342	-22.4
Korea, Republic of	379,005	301,572	174,328	379,005	174,328	117.4
Other ²	245	-	2,027	245	2,027	-87.9
Oceania & Australia Total	208	-	-	208	-	-
Africa Total	90,661	-	178,605	90,661	178,605	-49.2
Algeria	-	-	63,317	-	63,317	-
Egypt	50,697	-	51,194	50,697	51,194	-1.0
Other ²	39,964	-	64,094	39,964	64,094	-37.6
Total	7,447,199	7,888,242	6,305,728	7,447,199	6,305,728	18.1

¹ Changes of 500 percent or more are not shown

² Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 5. Average Price of Coal Exports, January 1990
(Dollars per Short Ton)

Continent and Country of Destination	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	\$34.38	\$41.94	\$41.25	\$34.38	\$41.25	-16.7
Canada	34.34	41.95	41.01	34.34	41.01	-16.3
Jamaica	-	39.92	-	-	-	-
Mexico	46.18	37.66	44.47	46.18	44.47	3.8
Other ¹	40.08	-	40.19	40.08	40.19	-3
South America Total	44.59	43.46	44.10	44.59	44.10	1.1
Argentina	44.09	-	45.16	44.09	45.16	-2.4
Brazil	46.24	45.74	44.50	46.24	44.50	3.9
Chile	29.14	30.41	31.51	29.14	31.51	-7.5
Other ¹	40.00	-	-	40.00	-	-
Europe Total	43.41	42.99	40.77	43.41	40.77	6.5
Albania	44.90	-	39.99	44.90	39.99	12.3
Belgium & Luxembourg	46.31	45.58	42.61	46.31	42.61	8.7
Bulgaria	48.99	49.44	-	48.99	-	-
Denmark	31.03	35.89	35.39	31.03	35.39	-12.3
France	39.12	39.65	38.46	39.12	38.46	1.7
Ireland	39.73	33.61	40.46	39.73	40.46	-1.8
Italy	42.44	44.60	43.08	42.44	43.08	-1.5
Netherlands	46.64	41.57	40.29	46.64	40.29	15.8
Portugal	44.72	35.87	35.13	44.72	35.13	27.3
Romania	-	43.84	39.86	-	39.86	-
Spain	47.32	47.93	45.48	47.32	45.48	4.0
Sweden	-	-	35.38	-	35.38	-
Turkey	43.09	43.09	42.18	43.09	42.18	2.2
United Kingdom	47.18	47.82	44.91	47.18	44.91	5.1
West Germany	40.28	45.10	30.48	40.28	30.48	32.2
Yugoslavia	45.20	43.45	44.09	45.20	44.09	2.5
Asia Total	42.97	42.45	43.06	42.97	43.06	-.2
China (Taiwan)	36.70	41.01	39.21	36.70	39.21	-6.4
Japan	43.79	42.90	43.98	43.79	43.98	-.4
Korea, Republic of	45.61	42.94	45.56	45.61	45.56	.1
Other ¹	39.89	-	38.51	39.89	38.51	3.0
Oceania & Australia Total	40.02	-	-	40.02	-	-
Africa Total	37.90	-	40.57	37.90	40.57	-8.6
Algeria	-	-	46.97	-	46.97	-
Egypt	44.17	-	44.13	44.17	44.13	.1
Other ¹	29.94	-	31.39	29.94	31.39	-4.6
Total	42.66	42.73	41.69	42.66	41.69	2.3
U.S. Total	42.84	42.43	41.72	42.84	41.72	2.7

¹ Includes countries with exports less than or equal to 50,000 short tons in 1989.

² Average price of all coal exports in this category.

Note: Total may not equal sum of components because of independent rounding. U.S. Coal Imports include Puerto Rico. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM-522."

Table 6. Steam Coal Exports, January 1990
(Short Tons)

Continent and Country of Destination	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	609,582	909,920	71,517	609,582	71,517	(¹)
Canada	606,962	908,602	62,614	606,962	62,614	(¹)
Jamaica	-	722	-	-	-	-
Mexico	1,924	596	8,840	1,924	8,840	-78.2
Other ²	696	-	63	696	63	(¹)
South America Total ..	77,780	77,039	24,484	77,780	24,484	217.7
Argentina	-	-	79	-	79	-
Chile	76,850	75,673	24,405	76,850	24,405	214.9
Other ²	930	1,366	-	930	-	-
Europe Total	1,430,631	1,505,714	1,422,174	1,430,631	1,422,174	.6
Belgium & Luxembourg	12,565	27,408	72,295	12,565	72,295	-82.6
Bulgaria	39,065	48,626	-	39,065	-	-
Denmark	72,568	306,519	214,497	72,568	214,497	-66.2
France	389,902	230,129	400,413	389,902	400,413	-2.6
Ireland	170,167	92,025	73,971	170,167	73,971	130.0
Italy	595,717	271,807	228,397	595,717	228,397	160.8
Netherlands	-	398,113	153,882	-	153,882	-
Norway	11,731	-	-	11,731	-	-
Portugal	40,275	130,947	81,085	40,275	81,085	-50.3
Spain	283	-	129	283	129	119.4
Sweden	-	-	74,824	-	74,824	-
Turkey	7,214	-	-	7,214	-	-
United Kingdom	18,891	140	55,106	18,891	55,106	-65.7
West Germany	72,253	-	67,575	72,253	67,575	6.9
Asia Total	388,468	685,946	235,630	388,468	235,630	64.9
China (Taiwan)	250,021	254,642	233,219	250,021	233,219	7.2
Japan	70,925	287,125	384	70,925	384	(¹)
Korea, Republic of	67,277	144,179	-	67,277	-	-
Other ²	245	-	2,027	245	2,027	-87.9
Oceania & Australia Total	208	-	-	208	-	-
Africa Total	39,964	-	64,094	39,964	64,094	-37.6
Other ²	39,964	-	64,094	39,964	64,094	-37.6
Total	2,546,633	3,178,619	1,817,899	2,546,633	1,817,899	40.1

¹ Changes of 500 percent or more are not shown.

² Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 7. Average Price of Steam Coal Exports, January 1990
(Dollars per Short Ton)

Continent and Country of Destination	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	\$34.38	\$39.84	\$40.80	\$34.38	\$40.80	-15.7
Canada	34.34	39.94	40.42	34.34	40.42	-15.0
Mexico	-	39.92	-	-	-	-
Central America	46.18	37.66	44.47	46.18	44.47	3.8
South America	40.08	-	40.19	40.08	40.19	-0.3
North America Total	29.27	30.41	31.51	29.27	31.51	-7.1
Europe	29.14	30.41	31.51	29.14	31.51	-7.5
Asia	40.00	-	-	40.00	-	-
Europe Total	38.62	37.46	36.21	38.62	36.21	6.7
Belgium & Luxembourg	36.29	31.32	29.03	36.29	29.03	25.0
France	48.99	48.99	-	48.99	-	-
Germany	31.03	35.89	35.39	31.03	35.39	-12.3
Italy	34.90	34.09	35.35	34.90	35.35	-1.3
Japan	39.73	33.61	41.65	39.73	41.65	-4.6
South Korea	40.47	39.85	41.86	40.47	41.86	-3.3
Netherlands	-	39.20	31.89	-	31.89	-
Portugal	39.92	35.87	35.13	39.92	35.13	13.6
Spain	39.92	-	39.85	39.92	39.85	.2
Sweden	-	-	35.38	-	35.38	-
United Kingdom	48.75	35.01	46.04	48.75	46.04	5.9
West Germany	40.28	-	30.48	40.28	30.48	32.2
Total	36.28	38.85	36.59	36.28	36.59	-0.8
China (Taiwan)	36.70	39.68	38.57	36.70	38.57	-5.3
India	31.65	39.36	40.00	31.65	40.00	-20.9
Indonesia, Republic of	39.61	38.34	-	39.61	-	-
Other	39.89	-	38.51	39.89	38.51	3.6
Asia & Australia Total	40.02	-	-	40.02	-	-
Asia Total	29.94	-	31.39	29.94	31.39	-4.6
Other	29.94	-	31.39	29.94	31.39	-4.6
Total	36.80	38.27	36.20	36.80	36.20	1.7
Total	37.29	37.66	36.29	37.29	36.29	2.8

Includes countries with exports less than or equal to 50,000 short tons in 1989.
 Average price of all steam coal exports.
 Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value.
 Average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusive.
 Steam coal includes bituminous, subbituminous, lignite, and anthracite.
 Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 8. Metallurgical Coal Exports, January 1990
(Short Tons)

Continent and Country of Destination	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	45	537,582	23,191	45	23,191	-99.8
Canada	45	537,582	23,191	45	23,191	-99.8
South America Total	864,294	432,644	675,739	864,294	675,739	27.9
Argentina	111,826	-	61,408	111,826	61,408	82.1
Brazil	752,468	432,644	614,333	752,468	614,333	22.5
Europe Total	2,976,713	2,935,052	2,398,100	2,976,713	2,398,100	24.1
Albania	21,576	-	23,699	21,576	23,699	-9.0
Belgium & Luxembourg	499,688	614,154	415,079	499,688	415,079	20.4
Bulgaria	-	47,823	-	-	-	-
Denmark	55,572	-	-	55,572	-	-
France	285,843	363,868	501,336	285,843	501,336	-43.0
Ireland	-	-	85,001	-	85,001	-
Italy	622,543	742,925	485,181	622,543	485,181	28.3
Netherlands	393,805	176,287	240,124	393,805	240,124	64.0
Norway	10,925	9,117	2,380	10,925	2,380	359.0
Portugal	66,323	-	-	66,323	-	-
Romania	-	326,910	33,357	-	33,357	-
Spain	348,445	250,110	208,238	348,445	208,238	66.5
Turkey	274,646	155,064	103,888	274,646	103,888	164.4
United Kingdom	283,262	173,445	215,711	283,262	215,711	31.3
West Germany	-	45,358	-	-	-	-
Yugoslavia	105,963	29,991	83,108	105,963	83,108	27.5
Other ¹	8,122	-	-	8,122	-	-
Asia Total	1,008,817	804,345	1,276,288	1,008,817	1,276,288	-21.0
China (Taiwan)	-	106,437	113,002	-	113,002	-
Japan	897,089	540,515	988,958	897,089	988,958	-29.5
Korea, Republic of	311,728	157,393	174,328	311,728	174,328	78.8
Africa Total	50,697	-	114,511	50,697	114,511	-55.7
Algeria	-	-	63,317	-	63,317	-
Egypt	50,697	-	51,194	50,697	51,194	-1.0
Total	4,900,566	4,709,623	4,487,829	4,900,566	4,487,829	9.2

¹ Includes countries with exports less than or equal to 50,000 short tons in 1989.
 Note: Total may not equal sum of components because of independent rounding.
 Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 9. Average Price of Metallurgical Coal Exports, January 1990
(Dollars per Short Ton)

Continent and Country of Destination	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	-	\$45.00	\$42.58	-	\$42.58	-
Canada	-	45 00	42 58	-	42 58	-
South America Total	\$45.97	45.74	44.58	\$45.97	44.58	3.2
Argentina	44 09	-	45 16	44 09	45 16	-2.4
Brazil	46 24	45 74	44 50	46 24	44 50	3 9
Europe Total	45.70	45.74	43.47	45.70	43.47	5.1
Albania	44 90	-	39 99	44 90	39 99	12.3
Belgium & Luxembourg	46 56	46 22	44 98	46 56	44 98	3 5
Bulgaria	-	49 90	-	-	-	-
France	44 86	43 17	40 93	44 86	40 93	9.6
Ireland	-	-	39 42	-	39 42	-
Italy	44 32	46 34	43 65	44 32	43 65	1.5
Netherlands	46 64	46 93	45 67	46 64	45 67	2 1
Portugal	47 64	-	-	47 64	-	-
Romania	-	43 84	39 88	-	39 88	-
Spain	47 33	47 93	45 49	47 33	45 49	4 0
Turkey	43 09	43 09	42 18	43 09	42 18	2 2
United Kingdom	47 08	47 83	44 62	47 08	44 62	5.5
West Germany	-	45 10	-	-	-	-
Yugoslavia	45 20	43 45	44 09	45 20	44 09	2.5
Asia Total	45.74	45.52	44.26	45.74	44.26	3.3
China (Taiwan)	-	46 84	44 68	-	44 68	-
Japan	45 16	44 77	43 98	45 16	43 98	2 7
Korea, Republic of	46 91	47 17	45 58	46 91	45 58	3.0
Africa Total	44.17	-	45.70	44.17	45.70	-3.3
Algeria	-	-	46 97	-	46 97	-
Egypt	44 17	-	44 13	44 17	44 13	1
Total	45.74	45.62	43.91	45.74	43.91	4.2
U.S. Total	45.72	45.65	43.92	45.72	43.92	4.1

¹ Average price of all metallurgical coal exports

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 10. Coal Exports by Custom District, January 1990
(Short Tons)

Customs District	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
Eastern Total	4,919,239	4,291,458	4,416,023	4,919,239	4,416,023	11.4
Baltimore, MD	578,009	572,787	641,491	578,009	641,491	-9.9
Buffalo, NY	4,536	5,021	150	4,536	150	(¹)
New York City, NY	341	87	192	341	192	77.6
Ogdensburg, NY	1,065	762	1,999	1,065	1,999	-46.7
Philadelphia, PA	134,822	108,134	499	134,822	499	(¹)
Norfolk, VA	4,200,466	3,604,667	3,771,692	4,200,466	3,771,692	11.4
Southern Total	1,737,651	1,824,259	1,670,449	1,737,651	1,670,449	4.0
Mobile, AL	840,330	809,505	823,834	840,330	823,834	2.0
Savannah, GA	-	-	725	-	725	-
Miami, FL	-	193	-	-	-	-
Tampa, FL	17,893	529	-	17,893	-	-
New Orleans, LA	842,433	887,151	832,464	842,433	832,464	1.2
Wilmington, NC	-	-	4,417	-	4,417	-
Charleston, SC	8,052	126,384	2,380	8,052	2,380	238.3
Houston-Galveston, TX	27,019	-	406	27,019	406	(¹)
Laredo, TX	1,924	497	6,223	1,924	6,223	-89.1
Western Total	187,302	338,675	138,013	187,302	138,013	35.7
Anchorage, AK	67,277	144,179	-	67,277	-	-
Los Angeles, CA	109,896	187,846	135,084	109,896	135,084	-18.6
San Diego, CA	-	99	132	-	132	-
Seattle, WA	10,129	6,551	2,797	10,129	2,797	262.1
Northern Total	601,012	1,433,850	81,243	601,012	81,243	(¹)
Detroit, MI	544,998	3,022	617	544,998	617	(¹)
Duluth, MN	-	90,943	-	-	-	-
Pembina, ND	-	93	309	-	309	-
Cleveland, OH	56,014	1,339,792	80,317	56,014	80,317	-30.3
Total	7,447,199	7,888,242	6,305,728	7,447,199	6,305,728	18.1

¹ Changes of 500 percent or more are not shown

Note: Total may not equal sum of components because of independent rounding

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 11. Coke Exports, January 1990
(Short Tons)

Continent and Country of Destination	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	42,281	123,035	42,882	42,281	42,882	-1.4
Canada	15,731	106,184	25,238	15,731	25,238	-37.7
Mexico	26,459	16,826	17,644	26,459	17,644	50.0
Other ¹	91	25	-	91	-	-
Europe Total	10,732	11,423	14,072	10,732	14,072	-23.7
Total	53,013	134,458	56,954	53,013	56,954	-6.9

¹ Includes countries with exports less than or equal to 50,000 short tons in 1989

Note: Total may not equal sum of components because of independent rounding

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522"

Table 12. Coal Imports, January 1990
(Short Tons)

Continent and Country of Origin	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	83,416	82,051	42,346	83,416	42,346	97.0
Canada	79,913	79,136	36,412	79,913	36,412	119.5
Mexico	3,503	2,915	5,934	3,503	5,934	-41.0
South America Total ...	91,311	186,302	23,612	91,311	23,612	286.7
Colombia	91,311	159,422	23,612	91,311	23,612	286.7
Venezuela	-	26,880	-	-	-	-
Oceania & Australia Total ..	-	34,645	-	-	-	-
Australia	-	34,645	-	-	-	-
Total .. .	174,727	302,998	65,958	174,727	65,958	164.9

Note: Total may not equal sum of components because of independent rounding. U.S. coal imports include Puerto Rico.
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"

Table 13. Average Price of Coal Imports, January 1990
(Dollars per Short Ton)

Continent and Country of Origin	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	\$24.04	\$23.67	\$21.92	\$24.04	\$21.92	9.6
Canada	23.35	23.05	20.87	23.35	20.87	11.9
Mexico	38.28	35.06	25.50	38.28	25.50	50.1
South America Total .. .	37.76	36.41	31.75	37.76	31.75	18.9
Colombia .. .	37.76	36.14	31.75	37.76	31.75	18.9
Venezuela	-	37.98	-	-	-	-
Oceania & Australia Total .. .	-	34.44	-	-	-	-
Australia .. .	-	34.44	-	-	-	-
Total .. .	31.53	33.55	28.59	31.53	28.59	18.6
U.S. Total .. .	33.01	35.09	36.14	33.01	36.14	-8.7

¹ Average price of all coal imports

Note: Total may not equal sum of components because of independent rounding. U.S. coal imports include Puerto Rico. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"

Table 14. Coal Imports by Customs District, January 1990
(Short Tons)

Customs District	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
Eastern Total	-	33,919	-	-	-	-
Ogdensburg, NY	-	19	-	-	-	-
Philadelphia, PA	-	33,900	-	-	-	-
Southern Total	94,814	155,317	29,546	94,814	29,546	220.9
Tampa, FL	91,311	118,230	-	91,311	-	-
San Juan, PR	-	34,172	23,612	-	23,612	-
Laredo, TX	3,503	2,915	5,934	3,503	5,934	-41.0
Western Total	5,472	39,005	12,414	5,472	12,414	-55.9
Honolulu, HI	-	34,645	-	-	-	-
Great Falls, MT	5,472	1,060	12,414	5,472	12,414	-55.9
Seattle, WA	-	3,300	-	-	-	-
Northern Total	74,441	74,757	23,998	74,441	23,998	210.2
Chicago, IL	29,184	22,369	-	29,184	-	-
Pembina, ND	45,257	52,388	23,998	45,257	23,998	88.6
Total	174,727	302,998	65,958	174,727	65,958	164.9

Note: Total may not equal sum of components because of independent rounding. U.S. coal imports include Puerto Rico.
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 15. Coke Imports, January 1990
(Short Tons)

Continent and Country of Origin	January 1990	December 1989	January 1989	Year to date		
				1990	1989	Percent Change
North America Total	-	10,603	84,578	-	84,578	-
Canada	-	1,608	84,144	-	84,144	-
Mexico	-	8,995	434	-	434	-
Europe Total	-	43,919	78,283	-	78,283	-
Belgium & Luxembourg	-	-	59,702	-	59,702	-
France	-	-	18,581	-	18,581	-
Italy	-	17,415	-	-	-	-
West Germany	-	26,504	-	-	-	-
Asia Total	-	-	64,731	-	64,731	-
China (Peking)	-	-	23,261	-	23,261	-
Japan	-	-	41,470	-	41,470	-
Oceania & Australia Total	-	-	124,264	-	124,264	-
Australia	-	-	124,264	-	124,264	-
Total	-	54,522	351,856	-	351,856	-

Note: Total may not equal sum of components because of independent rounding.
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

State Coal Profile: Illinois

Total Area of State:

56,400 square miles

Area Underlain by Coal:

37,700 square miles

Demonstrated Reserve Base of Coal:

78 billion short tons
(January 1, 1989)
(16 percent of U.S. total)

First Year of Documented Coal Production:

1833 (6,000 short tons)

Peak Year of Coal Production:

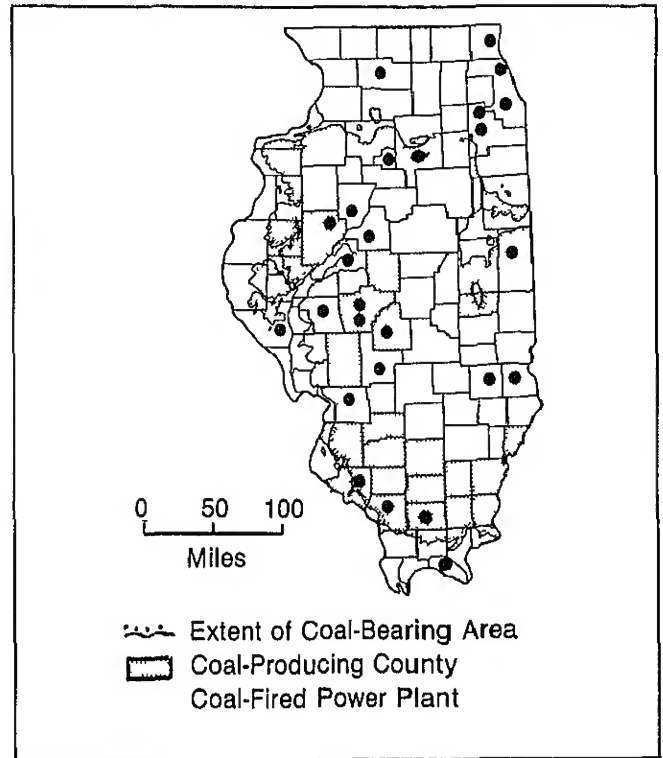
1918 (89 million short tons)

1988 Coal Production:

59 million short tons
(6 percent of U.S. total)

1988 f.o.b. Average Mine Price

\$28.55 per short ton
(U.S. average = \$22.07)



	<u>Number</u>	<u>Percentage of U.S. Total</u>
Number of Mines (1988)	48	1
Underground	28	2
Surface	20	1
Number of Miners (1988)		
(at mines producing more than 10,000 short tons)	10,022	7
Underground	7,440	8
Surface	2,582	5
Average Quality of Utility Coal Receipts (1988)	<u>Illinois</u>	<u>U.S. Average</u>
Heat Content		
(million Btu per short ton)	21.3	20.9
Sulfur Content		
(percent by weight)	1.9	1.3
Ash Content		
(percent by weight)	8.5	9.9

Coal is the most valuable mineral resource in Illinois. Coal production in 1988 was valued at nearly \$2 billion, which represented about 60 percent of the total value of all minerals produced in the State, including crude oil and natural gas.

Coal is abundant in Illinois, underlying two-thirds of the State in a large geologic depression called the Illinois Basin. The minable coalbeds are relatively thick, generally flat-lying, and continuous over extensive areas. Some coalbeds are exposed along the edge of the basin and in river valleys. Coal outcrops along the Illinois River were shown on a map made by French-Canadian explorers in the 1670's, recording for the first time the presence of coal in what is now the United States.

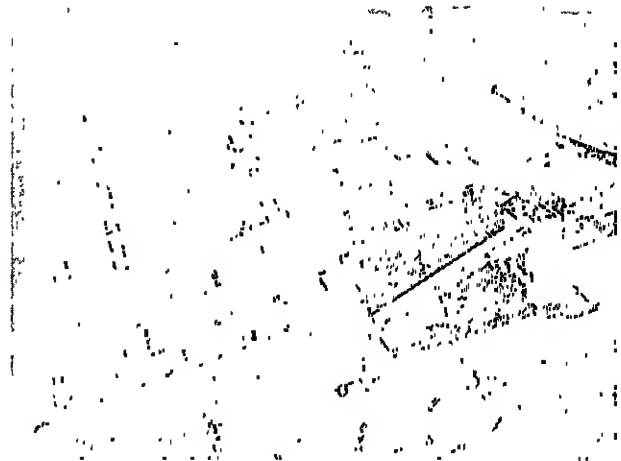
Illinois coal is bituminous in rank and has a high sulfur content, a characteristic detrimental to its use because of environmental concerns. As mined, the coal has a sulfur content of 4 percent or more by weight; even when cleaned, the sulfur content remains high, averaging 2 to 3 percent. Although many of the State's coalbeds have been mined at one time or another, the most important is the No. 6, also known as the "Herrin." This bed, which averages more than 6 feet in thickness, is the leading source of coal in Illinois and in 1988 was the third-largest source of coal in the United States.

Coal production in Illinois began in the early 1800's. Spurred by industrial development and railroad expansion, production rose to 24 million short tons at the end of the century, and reached an all-time high of 89 million short tons in 1918. Afterwards, coal output went into a general decline, dropping markedly during the Depression. It rose to meet the demands of World War II but later decreased due to competition from oil and gas and the conversion of railroad locomotives from coal to diesel-electric power. Beginning around 1960, increased demand for utility coal raised the production level. Since then, however, the demand for Illinois coal has been constrained because of such factors as the enactment of clean air standards, a decline in the demand for coking coal by the steel industry, and the development of nuclear electric power in the State. In 1988, 59 million short tons of coal were produced from 22 counties, chiefly those in the southern part of the State. This amount ranked Illinois fifth among the coal-producing States.

Two-thirds of the coal produced in Illinois is from underground mines, historically the chief source of production. Most of the mines are very large operations, producing at annual rates exceeding 1 million short tons. Included among the State's 48 active coal mines in 1988 was the largest surface coal mine in the East, the Captain in Perry County.

Productivity at coal mines in Illinois in 1988 was slightly above the average for eastern coal mines,

averaging 2.4 short tons per miner per hour at underground mines and 3.3 short tons per miner per hour at surface mines. This reflects the high degree of mechanization in Illinois coal mines, made possible by geological conditions that permit greater use of highly productive mining machines. In 1989, nine longwall systems were operating in Illinois, the fifth-largest number among the coal-producing States. Over 95 percent of the coal output is cleaned in the State's 36 coal preparation facilities. One of these, the Captain, ranks as the largest coal preparation plant in the United States.



The Captain coal preparation plant, near Percy, Illinois, is the largest coal-cleaning facility in the United States. It has the capacity to process 2,900 tons of coal per hour.

More than two-thirds of the coal produced in Illinois is shipped out of State, chiefly to Missouri and Indiana. Coal consumption in Illinois in 1988 totaled 33 million short tons, ranking the State as the eighth-largest coal consumer. Electric utilities were the principal market for coal, accounting for 80 percent of the total. About half of the coal used by Illinois utility plants was from Illinois mines, with most of the balance consisting of low-sulfur coal from Wyoming and Montana. Coke was produced from more than 1 million short tons of coal, most of which came from West Virginia and Kentucky, with a small amount of Illinois coal used for blending. Other industries, chiefly manufacturers of food and chemical products, consumed 4 million short tons of coal, a large percentage of which was from Illinois mines.

Coal-fired electrical generating units, located in 26 power plants, account for nearly half of the generating capability in Illinois. Although electricity generation has risen in the State since 1980, the amount generated from coal has dropped as coal-fired generation was displaced by nuclear generation. No longer the leading source of electricity in the

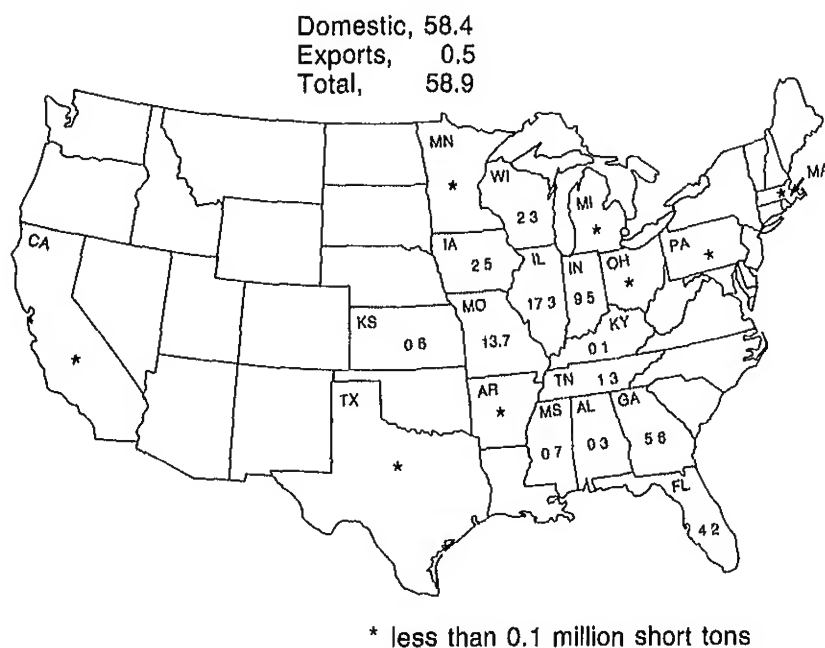
State, coal accounted for 53 billion kilowatthours in 1988, a sharp drop from 63 billion kilowatthours in 1980. The share of total generation from coal was 43 percent in 1988, compared with 65 percent in 1980.

Although Illinois contains the largest reserve base of bituminous coal of any State, prospects for increasing its use are hampered because of the high sulfur content of the coal. Advances in coal preparation techniques and other clean-coal technology could enable Illinois coal to become competitive with western coal, resulting in a higher level of production. However, under present conditions, and considering the effects of impending clean air legislation, coal production in Illinois is projected to remain relatively stable, averaging about 60 million short tons annually, over the next few years.

Sources

Energy Information Administration, *Coal Production* (various issues); *Quarterly Coal Report* (various issues); *Coal Distribution January-December 1988* (March 1989); *Cost and Quality of Fuels for Electric Utility Plants 1988* (August 1989); *Inventory of Power Plants in the United States 1988* (August 1989); *Electric Power Annual* (various issues); U.S. Bureau of Mines, *State Mineral Summaries 1989*; Illinois State Geological Survey, *Illinois Mineral Industry in 1987 and Review of Preliminary Mineral Production Data for 1988* (1989); S. Bhagwat, Illinois State Geological Survey, personal communication (1990); "Longwall Census '90," *Coal*, Vol. 95, No. 2 (February 1990), pp. 36-47; "Plant Census Shows More Than 400," *Coal*, Vol. 26, No. 8 (November 1989), pp. 56-65.

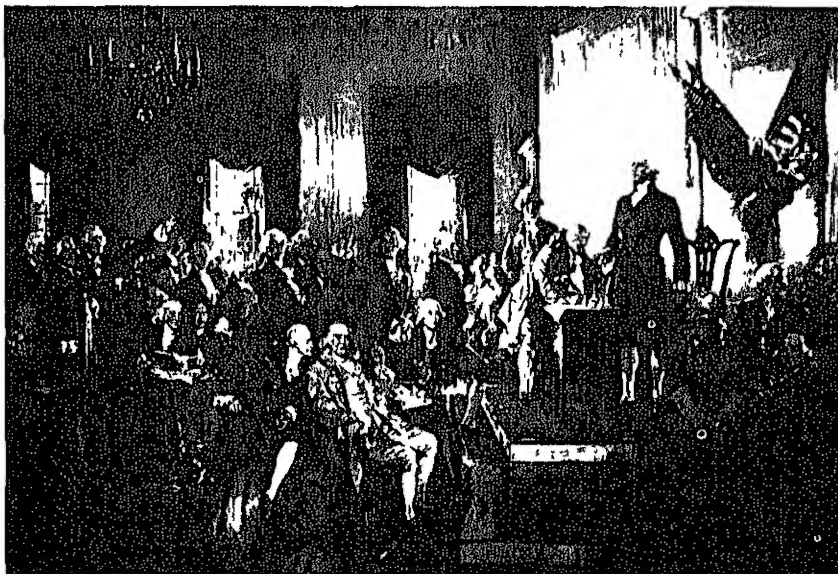
Distribution of Illinois Coal, 1988 (Million Short Tons)



Source: Energy Information Administration, *Coal Distribution January-December 1988*, DOE/EIA-0125(88/4Q) (Washington, DC, March 1989).

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